

WEST Search History

DATE: Monday, April 05, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L4	6348314.pn.	1
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L3	L2 and pRNA or pyranosyl adj3 RNA	35
<input type="checkbox"/>	L2	L1 and supramolecular	637
<input type="checkbox"/>	L1	array or chip or microchip	1193904

END OF SEARCH HISTORY

h e b b cg b chh e f ff e ch e e e f

=> s supramolecular
L1 7668 SUPRAMOLECULAR

=> s 11 and p-RNA
2151669 P
263309 RNA
499 P-RNA
(P(W) RNA)
L2 0 L1 AND P-RNA

=> s 11 and pyranosyl(2w)RNA
474 PYRANOSYL
263309 RNA
24 PYRANOSYL(2W) RNA
L3 0 L1 AND PYRANOSYL(2W) RNA

=> s 11 and array or chip or microchip
71609 ARRAY
34397 CHIP
1851 MICROCHIP
L4 35824 L1 AND ARRAY OR CHIP OR MICROCHIP

=> s 14 and pRNA
127 PRNA
L5 1 L4 AND PRNA

=> d 15 ti au so py ab

L5 ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN
TI Sorting and immobilization system for nucleic acids using synthetic
binding systems
IN Schweitzer, Markus; Anderson, Richard; Fiechtner, Michael; Mueller-ibeler,
Jochen; Raddatz, Stefan; Bruecher, Christoph; Windhab, Norbert; Orwick,
Jill; Schneider, Eberhard; Pignot, Marc; Kienle, Stefan
SO PCT Int. Appl., 232 pp.
CODEN: PIXXD2
PY 2003
2003
2003
AB The present invention relates to conjugates of synthetic binding units
(SBUs) and nucleic acids. The nucleic acids may be DNA, RNA, peptide
nucleic acids, locked nucleic acids, nucleic acid analogs such as
2'-fluoro-DNA and 2'-O-methyl-RNA, aptamers, and aptazymes. The SBUs are
pentopyranosyl nucleic acids (pDNA and pRNA) or
cyclohexylnucleooligoamides (CNA). The present invention also relates to
methods for sorting and immobilizing nucleic acids on support materials
using such conjugates by specific mol. addressing of the nucleic acids
mediated by the synthetic binding systems. Particularly, the present
invention also relates to novel methods of utilizing conjugates of
synthetic binding units and nucleic acids to in active electronic
array systems to produce novel array constructs from the
conjugates, and the use of such constructs in various nucleic acid assay
formats. In addition, the present invention relates to various novel forms
of such conjugates, improved methods of making solid phase synthesized
conjugates, and improved methods of conjugating pre-synthesized synthetic
binding units and nucleic acids. The present invention also relates to
the use of conjugates of synthetic binding units and nucleic acids as
substrates for various enzymic reactions, including nucleic acid
amplification reactions. Thus, oligonucleotide amplification primers were
conjugated to pRNA via a phosphodiester linkage or via a
reaction of a terminal hydrazide with a terminal oxidized cis-diol group.
These were then immobilized on electronically addressable microchips
containing complementary pRNA. The immobilized primers were used in